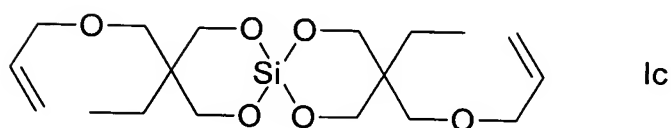
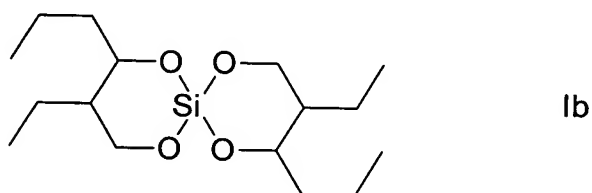
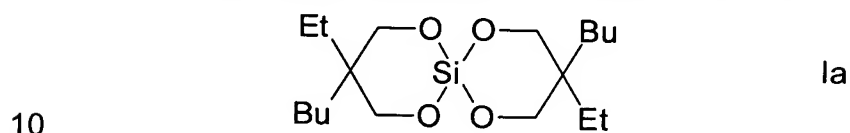


Claims

1. A coating composition comprising a silicon heterocyclic compound and a hydroxyl-reactive cross-linker, characterized in that the silicon heterocyclic compound is a compound comprising at least one spiro-ortho silicate group.
2. A coating composition according to claim 1, characterized in that the compound comprising at least one spiro-ortho silicate group is selected from compounds according to the following formulae Ia, Ib, and Ic



- 15 3. A coating composition according to either of the preceding claims, characterized in that the hydroxyl-reactive cross-linker is a compound comprising at least two isocyanate groups.
- 20 4. A coating composition according to any one of the preceding claims, characterized in that it comprises less than 480 g/l of volatile organic

compounds.

- 5 5. A coating composition according to any one of the preceding claims, characterized in that it comprises a deblocking catalyst for the deblocking of the compound comprising at least one spiro-ortho silicate group.
- 10 6. A coating composition according to any one of the preceding claims, characterized in that it comprises a cross-linking catalyst for the reaction between hydroxyl groups and the hydroxyl-reactive cross-linker.
7. A coating composition according to any one of the preceding claims, characterized in that the equivalent ratio of hydroxyl-reactive groups to alcoholic hydroxyl groups is between 0.5 and 4.0.
- 15 8. A process for curing a coating composition according to one of the preceding claims, characterized in that
- 20 a) the latent alcoholic hydroxyl groups and the silanol groups of the spiro-ortho silicate groups are deblocked in the presence of moisture, optionally in the presence of a deblocking catalyst,
- b) the alcoholic hydroxyl groups are reacted with the hydroxyl-reactive groups of the hydroxyl-reactive cross-linker, optionally in the presence of a cross-linking catalyst, and
- 25 c) the silanol groups formed participate in the reaction with the hydroxyl-reactive cross-linker and/or react with one another in a condensation reaction, optionally in the presence of the cross-linking catalyst.
9. Use of the coating composition according to any one of preceding claims 1 – 7 in the finishing and refinishing of automobiles and large transportation vehicles.

10. Use of the composition according to any one of preceding claims 1 – 7 as an adhesive composition.